MANUAL

FOR

CERTAINEED MACHINE WORKS

VAC-MATIC™ 23.5

INSULATION VACUUM MACHINE

PLEASE READ THIS MANUAL THOROUGHLY BEFORE PUTTING THE
VAC-MATIC™ 23.5 INSULATION VACUUM MACHINE INTO SERVICE!

MANUFACTURED BY:
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VAC-MATIC™ 23.5 INSULATION VACUUM MACHINE

SPECIFICATIONS:

MODEL:
48P-6-23.5: Six-inch inlet and outlet ports.

ALL MACHINES: Kohler gasoline engine – 23.5 horsepower single cylinder air cooled, 350 CCA battery, heavy duty housing, and fan impeller.

HEIGHT: 43.00 inches
LENGTH: 42.00 inches
WIDTH: 35.00 inches
WEIGHT: 375 pounds
GENERAL

This introduction is presented to provide a basic description of the function and purpose of the VAC-MATIC™ 23.5 insulation vacuum machine.

The VAC-MATIC™ 23.5 is principally designed to vacuum damaged or contaminated insulating materials generally used for attic insulation. The VAC-MATIC™ 23.5 can also be configured for wall spray applications to return scrubbed or recycled material to a blowing machine for remix into new material. Whenever you do a wall spray application with the VAC-MATIC™ 23.5 machine, the insulation manufacturer’s instructions prevail since they guarantee the final results.

When vacuuming damaged material, the VAC-MATIC™ 23.5 is normally placed so the hose connected to the inlet port can reach the end of the job. The damaged material can be vacuumed into a bag connected directly to the outlet port or hose that is connected to the outlet port leading to a dumpster or other form of containment. When vacuuming insulation for wall spraying, the VAC-MATIC™ 23.5 is normally located half way between the point of application and the blowing machine is generally connected to a filtering housing or material deflector that directs material back into the hopper.

BEFORE YOU RUN THIS MACHINE....
PLEASE STUDY THE REST OF THIS MANUAL.

Please contact our sales department at 800-237-7841 for any optional accessories such as; hose, sleeves, clamps, and material containment bags.
SAFETY

The VAC-MATIC™ 23.5 insulation vacuum machine is factory equipped with a material inlet safety door 1. Do not remove this door for any reason! It will close during operation if the vacuum hose comes loose from the inlet port 2. You should always attach the vacuum hose to the front cover 3 by lifting the door and securing the hose with a clamp to the inlet port before you start the machine. You will see the following label on this door.

WARNING: IF ANY FOREIGN OBJECT SHOULD ENTER THE MACHINE; SHUT DOWN THE ENGINE AND REMOVE THE KEY FROM THE IGNITION BEFORE RETRIEVING THE OBJECT. NEVER REACH INTO THE MACHINE WHILE IT IS IN OPERATION.
Before you start the VAC-MATIC™ 23.5 insulation vacuum machine, make sure the vacuum housing is free of foreign objects. Make sure hose is attached firmly to the inlet port and that hose or containment bags are firmly attached to the outlet port. Make sure containment bags do not rest against the engine as this may start a fire or block the engine air cooling inlet screen. Make sure the front cover and outlet port are securely mounted to the machine.

During machine operation, never stand on the VAC-MATIC™ 23.5 machine. You may lose balance and fall onto the machine causing great bodily harm or tip it over potentially causing damage. Avoid vacuuming foreign objects such as screws, nails, pieces of wood, etc. as this will damage the inside of the vacuum machine. Never leave the machine unattended during operation.

CERTAINTEED MACHINE WORKS RECOMMENDS THAT THE OPERATOR’S WEAR PROPER SAFETY EQUIPMENT SUCH AS EYE AND EAR PROTECTION AS WELL AS AN APPROVED DUST MASK WHEN OPERATING THE VAC-MATIC™ 23.5 INSULATION VACUUM MACHINE.

OPERATION

1. Make sure vacuum is free of foreign objects.
2. Fill fuel tank with clean grade fuel and check engine oil.
3. Make sure cover plate and outlet port are firmly attached.
4. Connect hose firmly to inlet port and hose or containment bag to outlet port with clamps. Connect additional hose sections with thin wall couplings, 1/16 inch, to minimize restrictions. Containment bags and thin wall couplings can be purchased from CertainTeed Machine Works.
5. Clear area around outlet port.
6. Start engine in accordance with manufacturer’s literature and increase engine speed until the throttle is at full speed. The engine will run 3600 RPM.
7. You are now ready to begin the vacuuming process.
WARNING: DO NOT SMOKE WHEN OPERATING THE MACHINE.

WARNING: DO NOT SMOKE OR BE NEAR ANY FLAME WHILE REFUELING THE GAS TANK. DO NOT FILL TANK WHILE THE ENGINE IS RUNNING OR HOT. FUMES FROM FUEL ARE EXPLOSIVE AND CAN BE FATAL. FOLLOW ALL SAFETY PROCAUTIONS WHEN HANDLING ANY TYPE OF FUEL.

WARNING: CARBON MONOXIDE POISONING FROM ENGINE EXHAUST CAN BE FATAL. MAKE SURE TO OPERATE THE MACHINE IN A WELL VENTILATED AREA.

WARNING: ALWAYS OPERATE THE VAC-MATIC™ 23.5 MACHINE ON A LEVEL SURFACE. OPERATING THE MACHINE WHEN IT IS NOT LEVEL COULD LEAD TO ENGINE FAILURE OR THE MACHINE TIPPING OVER.

UPON COMPLETION OF THE JOB

1. Make sure vacuum hose is empty.
2. Move throttle to slow position and allow engine to run for several minutes.
3. Turn engine off.
4. Wait for machine to completely stop rotating.
5. Remove hoses and or containment bag from machine.

WARNING: NEVER REPLACE A CONTAINMENT BAG WHILE THE ENGINE IS ON. ALWAYS SHUT DOWN THE ENGINE AND REMOVE THE KEY FROM THE IGNITION WHEN CHANGING BAGS. NEVER REMOVE OR REPLACE HOSES WHILE THE ENGINE IS ON.

WARNING: FAILURE TO WAIT FOR MACHINE TO COMPLETELY STOP BEFORE REMOVING HOSES OR CONTAINMENT BAG MAY RESULT IN SERIOUS INJURY.
PREVENTIVE MAINTENANCE

Follow the engine manufacturer’s recommendations in the manual that accompanied this manual when the VAC-MATIC™ 23.5 machine was first delivered. Check the oil level daily before start up. The battery is maintenance free. Keep battery cable connections tight, clean, and free of corrosion.

During normal operation of the VAC-MATIC™ 23.5 machine, keep the engine, vacuum housing, and impeller clean of debris build up. Keep inlet safety door in good working condition.

For any replacement of the impeller, use the following steps;

1. Remove front cover 3 from vacuum housing 4.
2. Remove washer and bolt 5 from engine shaft.
3. Remove the three bolts from the center bushing 6.
4. Insert two of the bolts in the threaded holes and tighten alternating back and forth. This will push the impeller off the bushing. Remove bushing and impeller from the housing.
5. Insert bushing into new impeller. Lubricate shaft with an anti-seize compound and slide onto engine shaft 7 up against the shoulder on shaft. The bushing should bottom out against the shoulder. Line up keyways on shaft and bushing and insert drive key 8.

6. Insert the three bolts into the holes in the bushing and thread into the impeller hub 9. Tighten the bolts using an alternating pattern and torque to 16 foot/pounds. Do not overtighten the bushing shoulder and impeller hub face.

7. Add attach washer 10, lock washer, and bolt to the end of engine shaft and torque to 30 foot/pounds.

8. Add cover back on housing and tighten all nuts.

Pillow Block Bearings
Bearings should be lubricated every month of operation. Do not over lubricate. One or two pumps from a hand operated grease gun is sufficient.

Belts
Do not use belt dressing. Belt dressing will collect material and cause the belts to slip and/or wear faster. There is no substitute for keeping belts dry, free of oil and grease, and tight. Replace worn and deteriorated belts as required.
Make sure bushing rests against the shoulder on the engine shaft.